Name Class

Teacher Date



***Common Core Learning Standards***

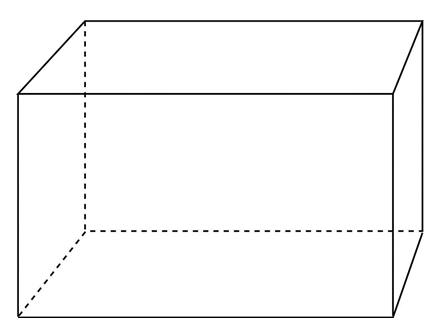
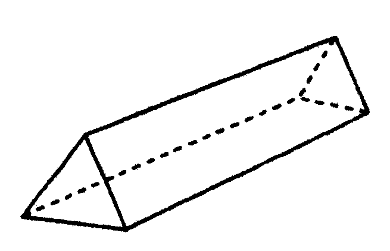
*6.G.1*

*6.G.3*

*6.G.4*



You are building a new house. The walls, floor, and ceiling are a rectangular prism. The roof is a triangular prism. The dimensions of the house are shown below.

 House Roof

36 ft. 13 ft.

54.5 ft.

28 ft. 28 ft.

54.5 ft.

6.G.4

Draw a net of each 3 dimensional shape shown above.

6.G.1

You decide to paint your house many different colors so you need to find the area of some shapes on your house.

Find the area of the triangle base section of the roof.

Show your work.

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the area of the front face of the house.

Show your work.

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6.G.3

You finished your house and are planning on where you will put the furniture. The coordinate plane below represents your living room. Plot the points and connect them in order. This shape will represent the location of your new sectional sofa.

|  |  |
| --- | --- |
| X | Y |
| 1 | 7 |
| 9 | 7 |
| 9 | -5 |
| 5 | -5 |
| 5 | 4 |
| 1 | 4 |
| 1 | 7 |

What is the area, in square units, of your sofa?

Show your work.

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_